

## AMENDMENT

Responsive to the Final Office Action dated August 20, 2002, Applicants respectfully request the following changes be made to the present application.

### In the Claims

Please amend claims 10, 15, 16, 18, 21, 26, 28, 31, 34, 36 and 39 without prejudice or disclaimer.

--10. (Amended) A method of monitoring the cerebral cellular environment of a patient for prognosis and for providing information for treatment, comprising:

providing an opening in the skull of said patient;

inserting a catheter through said opening into a region of cerebrospinal fluid (CSF) within said skull of said patient, said catheter having a flow section capable of permitting said CSF to flow therein;

positioning said flow section of said catheter into said region of CSF;

placing at least one sensor capable of sensing pH into said flow section within said catheter to enable said CSF to flow adjacent said sensor so that said sensor may sense at least one characteristic, including pH, of said CSF; and

monitoring changes of said characteristic of said CSF.

15. (Amended) The method of claim 14, further comprising:

draining said CSF through said catheter, wherein said monitored characteristic further includes intracranial pressure.